SOV/137-59-2-2550

Translation from: Referativnyy zhurnal. Metallurgiya 1959, Nr 2, p 39 (USSR)

AUTHORS: Khokhlov, D. G., Shamarin, V. A.

TITLE: Technique for Sintering Fine grain Concentrates for Production of Highly basic Sinter (Tekhnologiya spekaniya tonkoizmel'chennykh kontsentratov s polucheniyem vysokoosnovnogo aglomerata)

PERIODICAL: Tr. N. i. i proyektn. in-ta "Uralmekhanobr", 1958, Nr 2, pp 15-29

ABSTRACT: The authors investigated procedures for sintering fine grain magnetite concentrates of the Vysokogorsk deposit and the Kursk Magnetic Anomaly Kombinat which are difficult to pelletize by means of sintering owing to the low gas permeability of the charge mixture. The following factors improve the sintering rate and the quality of the agglomerate (A): 1) correct selection of moisture content of the charge mixture; 2) preheating of the charge to 60-65°C which increases the productivity of the equipment by 100-150%; 3) addition to the mixture of pelletizing additives with high moisture capacity, in particular of burned or slaked lime (up to 1-1.5%) and finely pulverized (0-3 mm) limestone in amounts ensuring its complete rejection from the

Card 1/2

SOV/137-58-10-20388

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 5 (USSR)

AUTHORS: Babushkin, N. M., Miller, V. Ya., Shamarin, V. A.

TITLE: Obtaining a Sinter of High Basicity from Akkerman Concentrates and Fines of Novo-Kiyevskiy Ores (Polucheniye aglomerata s vysokoy osnovnost'yu iz akkermanovskikh kontsentratov i vysevov Novo-Kiyevskikh rud)

PERIODICAL: Tr. N.-i. i proyektn. in-ta "Uralmekhanobr", 1958, Nr 2, pp 42-55

ABSTRACT: The ores of the Akkerman and the Novo-Kiyevskiy occurrences are lean disseminated limonites (32 and 39% Fe, respectively) in an acid gangue. The Akkerman ores concentrate well by magnetic roasting. The Fe contents of the concentrate on dry magnetic separation are as much as 42-45% and as much as 55% by the wet process. The ores of the Novo-Kiyevskiy deposit do not lend themselves to effective concentration. In accordance with the Mekhanobr project, the composition of the ore component of the sinter mix at the Novo-Troitsk sinter plant will be the following: Akkerman concentrate (6-0 mm fraction) 73.3%; Novo-Kiyevskiy ore fines (12-00 mm fraction) 18.5%;

Card 1/2

[illegible]

[illegible]

AUTHORS: [illegible], N. M., [illegible], V. A., [illegible], I. V.

TITLE: Agglomeration of Finely Ground Concentrates of Manganese Ore

PERIODICAL: Stal', 1960, Nr 2, pp 97-104 (USSR)

ABSTRACT: The authors investigates the possibilities and expediency of agglomeration and briquetting of manganese ore concentrates from Dzhezdinck formation. The characteristic feature of these concentrates is the presence of considerable amounts of barium and sulfur. The chemical composition of initial material is shown in Table 1.

Card 1/9

Agglomeration of Finely Ground Concentrates of Manganese Ore

77601
SOV/133-60-2-1/25

The weight per cubic meter of dry granular material for sample I = 1.95 ton/m^3; for sample II, it = 1.89 ton/m^3. The granular composition of samples was identical, and size of fractions generally was 0-1.0 mm. The authors discuss the following: (1) results of laboratory investigation of agglomeration; (2) results of industrial tests; (3) experimental manganese-silicon smelting from agglomerate and from briquettes; (4) technical and economical characteristics. The results of this investigation are given in Tables 3 and 5, and the following conclusions were made: The sintering and briquetting processes are practical, and the net cost of the manganese- silicon smelted from agglomerated products is somewhat lower when the sinter is used. Further investigation should be directed toward: (a) rational technology of production; (b) finding a low-priced cementing material for briquetting; (c) development of technology of drying and roasting

Card 3/9

briquettes; (d) study of possibility of pelletizing finely ground concentrates.

Table 3. Results of laboratory investigations of sintering Dzhezdinck manganese ore concentrates. (A) Conditions and performance figures; (1) composition of charge (%): (a) Mn concentrate; (b) dry (0-2 mm); (c) dry return (0-10 mm); (d) dry small coke (0-3 mm); (2) moisture in charge (%); (3) initial temperature of charge (°C); (4) height of charge bed (mm); (5) weight of 1 m^3 of dry granular material (ton/m^3); (6) vacuum (mm water column); (a) initial) (b) average during the process; (7) temperature of waste gas (°C): (a) maximum; (b) average during the process; (8) amount of waste gas (m^3/m^2-sec); (a) initial; (b) average during the process; (9) linear speed of sintering in mm/min; (10) specific productivity (ton/m^2 hr); (11) yield of sintering products (% of weight of charge); (12) yield of sound agglomerate % of weight of charge); (13) results of impact tests: yield (%) of fractions (mm); (14) drum tests: yield (%) of fractions

[illegible] 77601
[illegible] SOV/133-60-2-1/25

([illegible]); ([illegible]) [illegible] composition of agglomerate (%).

[illegible]	[illegible]	[illegible] 25 1,555	[illegible] 945	[illegible] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55,5	48,2	48,1 41,1 [illegible]	33,3 33,2 33,5	30,05 — 0,26 [illegible] [illegible]
115	55 15 5,5 6,35	[illegible] 25 1,520	[illegible] 924	295 141	[illegible]	0,204	11,2	[illegible]	51,5	66,5	52,9 40,8 6,3	[illegible] [illegible] 21,2	29,30 4,99 0,31 0,66 —
116	55 15 5,5 [illegible]	19 251 1,472	515 457	[illegible] [illegible]	0,515	[illegible]	6,2	[illegible]	84,7	68,3	[illegible] 31,7 7,7	42,1 29,3 28,6	29,52 5,24 0,30 0,06 —
111	55 15 4,5 5,67	22 252 1,564	[illegible] [illegible]	[illegible] 115	[illegible]	[illegible]	8,6	0,58	[illegible]	72,7	65,8 20,5 13,7	28,3 33,7 38,0	— 5,05 — — —
118	[illegible] [illegible] 5,5 5,8	21 251 [illegible]	[illegible] 962	225 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40,5	51,9 37,2 10,9	44,2 26,8 29,0	29,21 5,09 0,27 0,06 —

Card [illegible]

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SOV/133-60-2-1/25

Agglomeration of Finely Ground Concentrates of Manganese Ore

77601
SOV/133-60-2-1/25

Table 5. Results of briquetting of Dzhezdinck manganese ore concentrates. (1) Nr experiment; (2) composition of charge (%); (3) concentrate of fractions (mm); (4) coke (0-1 mm); (5) cementing; (6) residual liquid from distillation of alcoholic liquors; (7) pitch; (8) compacting pressure (kg/m^2); (9) resistance of briquettes to compression (kg/cm^2); (10) moist; (11) dry.

Card 7/9

77601
SOV/133-60-2-1/25

Table 5

1	2					8	9	
	3		4	5				
	0-2	0-0.1		6	7		10	11
1	100	—	—	—	—	250	2,6	6,0
2	100	—	—	—	—	750	6,5	12.5
3	60	40	—	—	—	750	—	49
4	50	50	—	—	—	750	—	56
5	40	60	—	—	—	750	—	43
6	-	100	—	—	—	750	—	40
7	100	—	—	1	—	750	4—5	28
8	100	—	—	2	—	750	4—5	44
9	100	—	—	3	—	750	4—5	109
10	100	—	—	4	—	750	4—5	147
11	100	—	—	4	—	500	—	110
12	100	—	—	4	—	300	—	97
13	100	—	—	5	—	300	—	120
14	100	—	—	4	—	250	—	78
15	100	—	—	5	—	250	—	106
16	50	50	—	1	—	750	—	88
17	50	50	—	2	—	750	—	115
18	42,5	42,5	15	2	—	250	—	103
19	42,5	42,5	15	3	—	250	—	143
20	100	—	—	—	3	500	—	42
21	100	—	—	—	5	500	—	75
22	100	—	—	—	6	500	—	91
23	100	—	—	—	6	300	—	61
24	100	—	—	—	6	250	—	56
25	50	50	—	—	5	500	—	110
26	50	50	—	—	6	500	—	152
27	42,5	42,5	15	—	6	250	—	67
28	42,5	42,5	15	—	7	250	—	93

Card 8/9

Agglomeration of Finely Ground Concentrates of Manganese Ore

77601
SOV/133-60-2-1/25

The work was done at the Ural Scientific Research Institute for Mechanical Concentration of Minerals (Uralmekhanobr) and Central Scientific Research Institute of Ferrous Metallurgy (TsNIIChM). The industrial tests were made at the plant NI of Goroblagodatsk Mining Administration (Goroblagodatskoyl rudoupravleniye. Credit is given for their participation to L. G. Moshinskoly, V. N. Peshkov, A. M. Gurevich, G. B. Shirer, S. D. Shifrin, N. P. Lyakishev, T. V. Lugovykh, A. A. Rozhnovskiy, and T. V. Teplyakova. There are 8 tables; 4 figures; and 5 Soviet references.

ASSOCIATION: Uralmekhanobr

Card 9/9

SHALUN, G.; SHAMARINA, A., inzh.

The assortment of plastics has expanded. Na stroi. Ros. 4 no.4:19-20 Ap '63. (MIRA 16:4)

1. Nachal'nik tekhnicheskogo otdela zavoda sloistykh plastikov Leningradskogo soveta narodnogo khozyaystva (for Shalun).
2. Trest Orgtekhstroy Glavzapstroya (for Shamarina).

(Plastics)

SHAMARINA, A.A. (Moskva, Khoroshevskoye shosse, d.5, korp.14, kv.6)

Case history of obturative obstruction. Vest.khir. no.3:124-125 '62. (MIRA 15:3)

1. Iz khirurgicheskoy kliniki (zav. - prof. B.S. Rozanov) Bol'nitsy im. S.P. Botkina (gl. vrach - prof. A.N. Shabanov).
(INTESTINES--OBSTRUCTIONS)

SHALABIN, A. S., [illegible]INAYEV, V. M., [illegible]OVA, N. I., STARODUBTSEVA, G. I., GREMECVSKAYA, A. V., TY[illegible]ENKO, N. I., KOSOVIN, A. P.

"A study of the natural foci of vernal encephalitis in the western Urals." Page 79

Desyatoye soveshchaniyepo parzitlologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Perm. Inst. of Vaccines and Sera and the Oblast Sanitary-Epidemiological Station

PROCESSES AND PROPERTIES INDEX

ca

11F

The cholinesterase content of embryonic muscles. N. M. Shamarina. *Bull. biol. méd. expér. U. R. S. S.* 8, 67-9(1939) (in English). — An ext. of the auricles of adult rabbits required 40 min. to decomp. 80% of the acetylcholine in a soln. of known concn., while that of the auricles of embryonic rabbits on the 24th day of growth required 3 120 min. No cholinesterase (I) activity was observed before the 18th day of embryonic life. On the 28-30th day of the embryo the concn. of I in the auricles is slightly lower than that in adult auricles. Immediately after birth the value falls to a min. on the 4-6th day after birth, followed by a rise to the value found in adult auricles on the 9-10th day after birth. S. A. Karjala

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

C-1

The cholinesterase content of embryonal heart auricles. N. M. Shamarina. *J. Physiol. U. S. S. R.* **28**, 650-6 (in German, 656)(1940); cf. *C. A.* **34**, 4073.—Extts. of auricles from embryos and newborn rabbits, guinea pigs and rats were tested for cholinesterase (I) activity by detg. the amt. of decompd. acetylcholine. The embryonal auricles contain much less I than those of adult animals, but this amt. increases rapidly and reaches adult values during the last few prenatal days in the guinea pig, and by the 10-12 day (postnatal) in the rabbit. This increase obviously concurs with the development of innervation.

F. Laames

11I

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

SHAMARINA, N.M.

"The tonus - motor phenomenon in the denervated muscle." (p.283) by A.G. Ginetsinsky and N.M. Shamarina

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologie) Vol. XV, 1942, No.3

GINETSINSKY, A. N.

"Contemporary Stimulation of the Nervous System." (Benzedrin) (p. 113) by Ginetsinsky, A. N., Barbashova, A. I., Chamarina, N. M. (Leningrad)

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. 16, No. 2, 1943.

GINETSINSKIY, A.G.; SHAMARINA, N.M.

Chemical theory of the transmission of the nerve impulse and studies in parabiosis. Trudy fiziol. inst. 4:139-148 '49. (MLRA 9:5)
(NERVES)

SHAMARINA, N.M.;NESMEYANOVA, T.N.

Conversion of reflex reactions of the spinal cord in experimental conditions. Fiziol. zh. SSSR 39 no.5:601-609 Sept-Oct 1953. (CLML 25:4)

1. Physiology Laboratory of the Academy of Sciences USSR, Moscow.

SHAMARINA, N. M.

3

Experimental data on functional changes in the reflex reactions of the spinal cord. T. N. Nesmeyanova and N. M. Shamarina (*C. R. Acad. Sci. U.R.S.S.*, 1953, 89, 185—188).—In 10 acute experiments on spinal dogs, electrical stimuli were given to the tail in groups of three, 1 sec. apart, a stimulus to the right hind foot coinciding with the last of each group. After from 300 to 4000 groups of stimuli, spread over up to three days, a series of changes occurred in the reflex response, for example sometimes both semi-tendinosus muscles responded to stimulation of the tail only. The changes in the response did not differ essentially from those occurring in similarly long control experiments in which only one organ was stimulated. The view of Shurrager (*J. exp. Psychol.*, 1940, 26, 133, and 1946, 36, 347) that such changes should be called spinal conditioned reflexes is criticised. G. S. BRINDLEY.

SHAMARINA, N.M.

Contraction reaction of a single "tonic" muslce fiber during indirect stimulation. Mat. po evol. fiziol. 1:349-360 '56. (MIRA 11:1)
(MUSCLE)

ASRATYAN, E.A.; NESMEYANOVA, T.N.; SHAMARINA, N.M.

Leon Abramovich Orbeli; on his 75th birthday. Izv.AN Arm.SSR. Biol.i sel'khoz.nauki 10 no.7:3-11 Jl '57. (MIRA 10:10)
(Orbeli, Leon Abgarovich, 1882-)

SHAMARINA, N. M.

Functional changes in the reflex reactions of the spinal cord. T. N. Nesmeyanova and N. M. Shamarina (*C. R. Acad. Sci. U.R.S.S.*, 1951, 98, 673—676).—A thorough investigation, using dogs with chronic lower thoracic spinal transections, of the atypical spinal reflex responses obtained after several hundred repetitions of the same stimulus. Both the hind limb flexion reflex and the scratch reflex were found to become associated with tail movement after many repetitions. Careful search for specific conditioning effects failed to reveal anything comparable with cortical conditioned reflexes. G. S. BRINDLEY

SHAMARINA, N. M.

USSR/ Medicine - Physiology

Card : 1/1

Authors : Nesmeyanova, T. N. and Shamarina, N. M.

Title : The characteristics of reflex activity of an animal with a severed spinal cord

Periodical : Dokl. AN SSSR, 97, Ed. 3, 547 - 549, July 21, 1954

Abstract : The characteristics of the reflex activity of dogs having severed spinal cords are reviewed. Three references.

Institute : Acad. of Sc. USSR, Physiological Laboratory

Presneted by : Academician, L. A. Orbeli, May 17, 1954

3010. THE CROSSED EXTENSOR REFLEX OF HIND LIMBS IN THE RABBIT - (Russian text) - Shamarina N. M. Physiol. Lab., USSR Acad. of Scis, Moscow - FIZIOL. ZH. IM. SECH. 1958, 44/7 (619-627) Illus. 4

Reflexes of flexor and extensor thigh muscles in response to passive flexion or extension of the knee joint of ipsilateral and contralateral hind limbs were studied in normal, decerebrated, thalamic and spinal rabbits under conditions of chronic experimentation. The crossed extensor reflex, characteristically present in animals with an alternating type of fore and hind limb movements, as in the cat and the dog, could never be elicited in normal rabbits. On the contrary, flexion of a contralateral hind limb evoked reflex inhibition of the extensor reflex in response to ipsilateral hind limb flexion, and the appearance of a crossed flexor reflex. This reflex pattern is probably related to the synchronous bilateral hind limb motions characteristic for the rabbit's pattern of locomotion. Crossed inhibition of the extensor reflex was retained in decerebrated and in thalamic rabbits, whereas it could hardly be seen in spinal animals, being replaced by a common crossed extensor reflex. Thus, in the rabbit central control of reflex inhibition of the extensor response to thigh muscle extension involves thalamic and brain stem levels of the CNS.

Simonson - Minneapolis, Minn.

SHAMARINA, N.M.

Reorganization of neural relationships in the central nervous system following the transplantation of antagonist muscles [with summary in English]. Fiziol.zhur. 44 no.11:1040-1048 N '58 (MIRA 11:11)

1. Fiziologicheskaya laboratoriya AN SSSR, Moskva.
(CENTRAL NERVOUS SYSTEM, physiol.
eff. of transpl. of antag. musc. on neural relationships (Rus))
(MUSCLE, physiol.
eff. of transpl. of antag. musc. on CNS neural relationships (Rus))

SHAMARINA, N.M.

Possibility of fixing in the lower sections of the central nervous system experimentally induced changes in innervation relationships. Fiziol. zhur. 46 no. 4:418-428 Ap '60. (MIRA 13:10)

1. From the Physiological Laboratory, U.S.S.R., Academy of Sciences, Moscow.
(MUSCLES—TRANSPLANTATION) (NERVOUS SYSTEM)

SHAMARINA, N.M.

Possibility of transforming the innervation relationships of antagonistic muscles indecorticated rabbits. Fiziol. zhur. 46 no.10: 1236-1242 O '60. (MIRA 13:11)

1. Fiziologicheskaya laboratoriya Akademii nauk SSSR, Moskva.
(CONDITIONED RESPONSE) (MUSCLES--INNERVATION)
(CEREBRAL CORTEX)

SHAMARINA, N.M.

Rate of transition from pessimal contraction to optimal. Fiziol. zhur. 47 F '61. (MIRA 14:5)

1. From the Physiological Laboratory of the U.S.S.R. Academy of Sciences, Moscow.
(CHOLINESTERASE) (MUSCLE)

SHAMARINA, N.M.

Duration of inhibition aftereffects of pessimum muscle reactions. Fiziol. zhur. 47 no.4:487-494 Ap '61. (MIRA 14:6)

1. From the Physiological Laboratory of the U.S.S.R., Academy of Sciences, Moscow.

(MUSCLES)

SHAMARINA, N.M.

Pessimum reaction of a single muscle fiber to indirect stimulation. Fiziol.zhur. 47 no.8:1046-1055 Ag '61. (MIRA 14:8)

1. From the Physiological Laboratory, U.S.S.R. Academy of Sciences, Moscow.
(MUSCLE) (ELECTROPHYSIOLOGY) (INHIBITION)

SHAMARINA, N.M.

Symposium at Liblice. Vest. AN SSSR 33 no.6:92-93 Je '63. (MIRA 16:7)

(Muscles) (Neurology)

SHAMARINA, N.M.

Mechanism of the blocking of synaptic conduction in Vvedenskii's pessimum inhibition. Biofizika, 7 no.2:171-183'62. (MIRA 16:8)

1. Fiziologicheskaya laboratoriya AN SSSR, Moskva.
(NERVES)

SHAMARINA, N.M.

Electrical reaction of a single "tonic" fiber of frog skeletal muscle. Trudy MOIP. Otd. biol. 9:207-211 '64. (MIRA 18:1)

1. Fiziologicheskaya laboratoriya AN SSSR, Moskva.

TAN'KINA, N.N.

Characteristics of synaptic transmission in various fibers of the tonic skeletal musculature in frogs. Fiziol. zhur. 51 no.9:1080-1089 S '65. (MIRA 18:9)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR, Moskva.

SHAMARINA, N.M.; BEROYSHEVA, L.V.; LARINA, V.N.; STASHKEVICH, I.S.

Interrelationship between innervation and contractile reaction of muscle fibers. Zhur. evol. biokhim. i fiziol. 1 no. 6: 507-515 N-D '65 (MIRA 19:1)

1. Laboratoriya neyrona i sinapsa Instituta vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR, Moskva. Submitted April 26, 1965.

L 29014-66

ACC NR: AP6018859 SOURCE CODE: UR/0239/65/051/009/1080/1089

AUTHOR: Shamarina, N. M.

ORG: Institute of Higher Nervous Activity and Neurophysiology, AN SSSR, Moscow (Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR)

TITLE: Characteristics of synaptic transmission in various fibers of the tonic skeletal musculature of the frog

SOURCE: Fiziologichskiy zhurnal SSSR, v. 51, no. 9, 1965, 1080-1089

TOPIC TAGS: experiment animal, muscle physiology, neurophysiology

ABSTRACT: Potentials of individual muscle fibers of the outer and inner layers (IVth and Vth segments) of the m. rectus abdominis and of the central tonic bundle of the m. ileofibularis of frogs were determined on irritation of the entire nerve trunk. The results obtained indicated that fibers with three different types of synaptic transmissions were present in the skeletal tonic musculature of frogs: 2) fibers reacting to single and rhythmic irritation by action potentials with a short latent period (rapid, non-tonic fibers); b) fibers reacting to single and rhythmic irritation solely with a postsynaptic potential of long duration and showing a long latent period (slow, tonic fibers); c) fibers with a dual reaction, which responded to a single irritation with a postsynaptic potential and to a rhythmic irritation with

Card 1/2 UDC: 612.815

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an action potential. Two kinds of fibers of type (c) were present: 1) fibers with a short post-synaptic potential and short latent period, which developed an action potential on rhythmic irritation without development of stable depolarization; 2) fibers with a long post-symaptic potential and long latent period, which developed an action potential against the background of stable depolarization. The fibers with a dual reaction, which were present in large amounts, cannot be regarded as non-tonic: they were apparently fibers of an intermediate type which are responsible for a slow contractile reaction of the tonic muscles. M. rectus abdominis contained only 4-10% fibers with multiple innervation of the cluster type; it is difficult to ascribe the contraction of the muscle under the action of acetylcholine to such a small number of purely tonic fibers. Histochemical determination of cholinesterase showed that a large number of fibers with nerve endings of the platelet type were present. A study to establish relations between the functional characteristics of fibers, the structure of their synapses, and their reaction to acetylcholine should be carried out. Orig. art. has: 6 figures. [JPRS]

SUB CODE: 06/ SUBM DATE: 17Mar64 / ORIG REF: 008 / OTH REF: 014

Card 2/2 BLG

SHAMARINA, N.M.

"Electric response of single "tonic" fibres of the frog skeletal musculture to indirect stimulation."

Report submitted, but not presented at the 22nd International Congress of Physiological Sciences, Leiden, the Netherlands 10-17 Sep 1962

SEVERIN, Sergey Yevgen'yevich, Institute of Pharmacology and Chemotherapy, Academy of Medical Sciences, Moscow; VUL'FSON, N. S. [possibly P.L. VUL'FSON, Chair, Animal Biochemistry, Moscow State University (1959 position)]- "The importance of karnosis in neurotrophic relations" Session I

SHAMARINA, N. N., Physiological Laboratory, Academy of Sciences USSR, Moscow - "Effect of tetanic stimulation on different muscle fibers" II-2-b

Probably N.M!

STUDITSKIY, Aleksandr Nikolayevich, ZHENEVSKAYA, R. P., and RUMYANTSEVA, O.N., all of the Institute of Animal Morphology imeni A. N. Severtsov, Academy of Sciences USSR, Moscow - "Neurotrophic influence in recovery of structure and function of regenerating muscle" I

TELEPNEVA, V. I., Chair, Animal Biochemistry, Moscow State University, Moscow - "Changes in muscle following denervation" Session II-2-a

YAKOVLEV, N. N., KRASNOVA, A. F., and CHAGOVETS, N.R., all of the Leningrad Scientific Research Institute, Institute of Physical Culture, Leningrad - "Adaptation of energy metabolism in muscle" Session II-2-b

report to be submitted for the Symposium on the Effects of Use and Disuse on Neuromuscular Functions (IUPS), Prague-Liblice, Czech, 18-24 Sep 1962.

SHAMARINA, T.N.; BURAKOVSKII, V.I. (Leningrad)

Oxygen saturation of arterial blood in patients with chronic suppurative diseases of the lungs. Klin.med.35[i.e.34] no.1 supplement:13-14 Ja '57. (MIRA 11:2)

1. Iz kliniki vtoroy fakul'tetskoy khirurgii (nach. P.A.Kupriyanov) Voyenno-meditsinskoy akademii imeni S.M.Kirova.
(OXYGEN IN THE BODY) (LUNGS--DISEASES)

IZBINSKIY, A.L., kand.med.nauk (Leningrad, D-25, ul. Marata, d.10, kv.6)
GADZHIYEV, S.A., kand.med.nauk, SHAMARINA, T.N., kand.med.nauk.

Standardization of technics in investigating externatl respiration and in cardiac catheterization in mitral stenosis [with summary in English] Vest.khir. 81 no.7:47-57 Jl'58 (MIRA 11:8)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. - prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(MITRAL STENOSIS, diag.
extornal resp. impairment & cardiac catheterization, correlation of data (Rus))
(RESPIRATION, function tests,
in mital stenosis (Rus))
(CATHETERIZATION, CARDIAC, in var.dis.
mitral stenosis (Rus))

BAIYUZEK, F.V.; BURMISTROV, M.I.; DZUTSOV, N.K.; YERMILOV, H.I.; KARIMOVA, T.V.; SKORIK, V.I.; UVAROV, B.S.; SHANIH, Yu N.; SHAMARINA, T.N.

Artificial circulation in surgery of the heart and large vessels. Grud.khir. no.4:33-39 Jl-Ag '62. (MIRA 15:10)

1. Iz kliniki khirugii usovershenstvovaniya vrachey No. 1 (nach. - deystvitel'nyy chlen AMN SSSR prof. N.A.Kupriyanov) Voyenno-meditsinskoy akademii imeni S.M.Kirova. Adres avtorov: Leningrad, K-9, pr. K.Marksa, d. 5/20 Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No. 1.

(HEART—SURGERY)
(PERFUSION PUMP (HEART)

29-58-6-2/19

AUTHOR: Shamaro, A.

TITLE: A Valuable Resource of the Siberian Taiga (Zolotoy fond Sibirskoy taygi)

PERIODICAL: Tekhnika Molodezhi, 1958, Vol 26, Nr 6, pp 3-4 (USSR)

ABSTRACT: The cembra-pine has lived for hundreds of years and is fruitbearing under favorable conditions up to an age of 500 years. The periodicity of productiveness is characteristic. After a certain time - 5 - 6 years - the yield increases considerably and surpasses the normal harvest by 10 - 20fold. During these periods up to 2 t of nuts per hectare can be collected. The cembra--pine is for us of great and manifold use. Not less than 90 % of the ripe nut consists of nutritious substances: fat, albumen, carbohydrates. The cedar-nut oil is not inferior in quality to the famous olive oil. As concerns the taste and the quality, this oil is considerably more tasty and better than sunflower oil. From nut kernels nutritious "plant cream" and "cedar milk" can be easily produced. They contain a high percentage of

Card 1/3

albumen and carbohydrates. With respect to fat- and calorie content they surpass meat, cream, and eggs. Cakes from cedar-nut oil contain 4 times more albumen than wheat and can be added to flour for baking of tasty and nutritious bread and pastry. The degreased kernel sheath can replace horsehair and wool which are used for upholstery and mattresses. Precious brown leather dye and tanning can be produced from the nut shells. From wastes occuring in the case of cutting off of the cones approximately 2 t per 1 t nuts of tar, turpentine, as well as dyes and tannings can be produced by means of dry distillation. The cedar-nut shells develop great heat in the case of combustion which is almost as great as that of mineral fuels. Colophony, turpentine, colophony soap, "autol", and quite a series of other technical substances can be produced from cedar resin. The wood is more solid than pine-wood and is a perfect material for the production of furniture, for the construction of ship bodies, for the external cover of smaller ships etc. No moths are in wardrobes of cedar wood, furniture of cedar wood as well as wainscoting clean the air and kills bacteria.

A Valuable Resource of the Siberian Taiga 29-58-6-2/19

By means of chemical treatment volatile oils and furniture fiber can be obtained. Even tree trunks can be used for the production of resin, turpentine, and coal. The woods are a good nutrient substrata for the great variety of fauna in the taiga. Beside the extremely precious sable there are squirrels, bears, mountain-cocks, partridges, and others [illegible]. It was found that after especially productive years the number of animals [illegible] as well and the game increases rapidly. Beside the enumerated possibilities of exploitation the cembra-pine has also curing properties and the nuts, the resin, [illegible] needles, even the wood is used in medicine. Though the nut working is a very old trade, it is not mechanized at all. This would be necessary. It is provided to establish 94 industrial plants in the wood zones of the USSR in the course of the next three years. There are 3 figures.

Card 3/3

1. Trees--Economic aspects 2. Seeds--Production 3. Oils--Sources 4. Animals--Ecology

SHAMARO, A.

Driver from the Smolnii. Za rul. 17 no.4:4 Ap '59.
(MIRA 12:6)
(Lenin, Vladimir Il'ich, 1870-1924)

KONDRAT'YEV, B.A.; LAPSHINA, T.M.; NIKISHOV, M.I.; SOLOV'YEV, A.I., redaktor; SHAMAROV, T.A., redaktor; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Work manual to accompany the atlas of foreign countries for secondary schools] Posobie k rabote s geograficheskim atlasom zarubezhnykh stran dlia srednei shkoly. Moskva, Izd-vo geodezicheskoi lit-ry, 1956. 54 p. (Atlases) (MLRA 9:6)

KUTKANIN, G.P.; KURITSYN, S.V., redaktor; SHLEWSKIY, I.A., tekhnicheskiy redaktor; SHAMAROVA, T.A., redaktor.

[Choice and sharpening of drafting instruments] Vybor i tochka chertezhnykh instrumentov. Moskva, Izd-vo geodezicheskoi lit-ry, 1954. 22 p.
(Drawing instruments) (MLRA 7:7)

BASHLAVINA, G.N.; EDEL'SHTEYN, A.V., redaktor; SHAMAROVA, T.A., redaktor; SHLENSKIY, I.A., tekhnicheskiy redaktor

[Pecularities of compiling wall maps for school geography courses] Osobennosti sostavleniia stennykh obshchegeograficheskikh shkol'nykh kart. Moskva, Izd-vo geodezicheskoi lit-ry, 1954. 116 p.
(Cartography) (MLRA 7:10)

SHERMAN, D.S., inzhener; SHAMAROVA, T.A., redaktor; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Aid for workers in linear measurements]Posobie dlia rabochikh na lineinykh izmereniiakh. Izd. 3 Moskva, Izd-vo geodezicheskoi lit-ry,1955. [Microfilm] (MIRA 8:5)

(Base measuring)

GINZBURG, G.A.; SALMANOVA, T.D.; GEDYMIN, A.V., redaktor atlasa; SHAMAROVA, T.A., redaktor izdatel'stva; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Charts for selecting map projections] Atlas dlia vybora kartograficheskikh proektsii. Moskva, Izd-vo geodez. lit-ry, 1957. 237 p. (Leningrad, TSentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii. Trudy, no.110). (MLRA 10:8)
(Map projection)

GOL'DMAN, Lev Mikhaylovich; ZLATKIN, Ya.Ye., red.; SHAMAROVA, T.A., red.izd-ya; ROMANOVA, V.V., tekhn.red.

[Use of color aerial photography in terrain studies; interpretation of colored aerial photographs] Primenenie tsvetnoi aeros"emki dlia izucheniia mestnosti; deshifrirovanie tsvetykh aerosnimkov. Moskva, Izd-vo geodezicheskoi lit-ry, 1960. 171 p. (Moskva, Tsentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii. Trudy, no. 137) (MIRA 14:2)
(Photographic interpretation)

LARIN, Dmitriy Aleksandrovich; BARANOV, A.N., red.; SHAMAROVA, T.A., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Scientific and technical projection of geographical maps] Nauchno-tekhnicheskoe proektirovanie geograficheskikh kart. Moskva, Gosgeoltekhizdat, 1963. 165 p. (MIRA 16:6)
(Map projection)

SHAMARYAN, P.I.

Kitaev's reflex; compensation mechanism in mitral diseases. Ter. arkh., Moskva 24 no. 3:79-86 May-June 1952. (CIML 22:4)

1. Doctor Medical Sciences. 2. Of the Hospital Therapeutic Clinic (Director -- Prof. L. I. Shvarts), Saratov Medical Institute.

SHAMSH, N.M.; MAKSIMOV, V.I.

Using automotive and electric loaders. Avt.prom. no.10:39-40 O '60. (MIRA 13:11)

1. Yaroslavskiy motornyy zavod.
(Conveying machinery)

47-4-13/20

AUTHOR: Shamash, S.Ya.

TITLE: Preparations for the 40th Anniversary of the Great October (Podgotovka k 40-y godovshchine velikogo oktyabrya)

PERIODICAL: Fizika v shkole, 1957, No 4, pp 72-73 (USSR)

ABSTRACT: The Physics Section of the Moscow Oblast' Institute for the Improvement of Teachers (Kabinet fiziki Moskovskogo oblastnogo instituta usovershenstvovaniya uchiteley) is preparing to celebrate the 40th Anniversary of the October Revolution. The plan contains measures directed toward a thorough improvement in instruction and education of the growing generation. It includes lectures, courses, seminars and excursions for teachers reflecting the Soviet achievements in science and technique. The Section gathers material for displays which will popularize the advanced experience in teaching physics and electrical engineering by the schools of the Moscow Oblast'. A pamphlet will be printed describing the experience of Ye.I. Kharchenko, teacher of School No 2 at Lianozovo, Krasnopolyanskiy Rayon. The Section recommends to the physics and electrical engineering teachers a number of measures, excursions and entertainments, in order to demonstrate the achievements of the country in all branches of agriculture, industry, science and technique.

Card 1/2

MALOV, N.N., prof. (Moskva); LERNER, Ya.F. (Moskva); SHAMASH, S. Ya.

Discussion of the electrical engineering program. Fiz. v shkole 20 no.2:59-62 Mr-Ap '60. (MIRA 15:4)

1. Zaveduyushchiy kabinetom fiziki i elektrotekhniki Moskovskogo instituta usovershenstvovaniya uchiteley (for Shamash).
(Electric engineering--Study and teaching)

REZNIKOV, L.I.; SHAMASH, S.Ya.; ALEKSEYEVA, I.V.

State of students' knowledge in physics. Fiz.v shkole 21 no.4:50-53 Jl-Ag '61. (MIRA 14:10)

1. Sektor obucheniya fiziko Instituta obshchego i politekhnicheskogo obrazovaniya Akademii pedagogicheskikh nauk RSFSR.
(Physics--Study and teaching)

SHAMASH, S.Ya. (Moskva)

Methodological seminar of the Section on Teaching Physics at the Institute of General and Technical Education of the Academy of Pedagogical Sciences of the R.S.F.S.R. Fiz. v shkole 22 no.3:111 My-Je '62. (MIRA 15:7)
(Physics--Study and teaching)

EVENCHIK, E.Ye. (Moskva); YENOKHOVICH, A.S. (Moskva); SHAMASH, S.Ya. (Moskva)

Let's improve the quality of students' knowledge of physics. (MIRA 15:12)
Fiz.v shkole 22 no.5:38-42 S-O '62.
(Physics--Study and teaching)

SHAMASH, S.Ia.

International Unit System in the physics course for the ninth grade. Fiz. v shkole 23 no.3:37-42 My-Je '63. (MIRA 16:12)

1. Institut obshchego i politekhnicheskogo obrazovaniya Akademii pedagogicheskikh nauk RSFSR, Moskva.

SHEPUTO, Lyudvig Lyudvigovich; SHAMASHKIN, M.A., doktor med. nauk, prof., red.

[Problems of dialectical materialism and medicine; philosophical problems of the theory of pathology and diagnosis] Voprosy dialekticheskogo materializma i meditsina; filosofskie voprosy teorii patologii i diagnoza. Pod red. M.A.Shamashkina. Moskva, Medgiz, 1963. 249 p. (MIRA 16:5)

(DIALECTICAL MATERIALISM)
(MEDICINE--PHILOSOPHY)

GREBENNIKOV, R.V.; SHAMASHOV, F.P.

Mechanical properties and corrosion resistance of hafnium-zirconium alloys in a steam-and-water medium. Atom.energ. 14 no.3:290-295 Mr '63. (MIRA 16:2)
(Hafnium-zirconium alloys)

L 62207-65 EWT(1)/T/EWA(h) Pz-6/Peb IJP(c) AT

ACCESSION NR: AP5011672 UR/0166/65/000/002/0040/0047

30
29
B

AUTHORS: Aronov, D. A.; Shamasov, R. G.

TITLE: Influence of adhesion levels on the photoconductivity of semiconductors at high illumination levels

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 2, 1965, 40-47

TOPIC TAGS: semiconductor, photoconductivity, adhesion level, strong illumination effect

ABSTRACT: Inasmuch as earlier investigators did not take into account the influence of adhesion levels, the authors calculate the photoconductivity of a semiconductor exposed to strong illumination, under conditions when the nonequilibrium state deviates from thermodynamic equilibrium in a nonlinear fashion. A formula is derived for the lux-ampere characteristic of a homogeneous semiconductor whose forbidden band also contains adhesion levels for holes in addition to recombination center. The results show that whereas in the case of not too

Card 1/2

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ACCESSION NR: AP5011672

large a light flux the photoconductivity is a linear function of the light intensity, it gradually becomes quadratic and then a cubic function in the case of very strong illumination. It is linearly dependent on the concentration of the adhesion centers. The foregoing holds true in the case of weak filling of the adhesion levels with holes. In the case of strong filling, the affect of the adhesion levels on the photoconductivity increases with increasing intensity, and the effect of surface recombination decreases. Original article has: 24 formulas

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UzSSSR (Physicotechnical Institute AN UzSSSR)

SUBMITTED: 26Feb64 ENCL: 00 SUB CODE: OP, SS

NR REF SOV: 006 OTHER: 002

Card 2/2

L 9349-66 EWT(1)/EWT(m)/EPF(n)-2/T/EWA(h) IJP(c) DS/WW/GG/AT

ACC NR: AP5026348 SOURCE CODE: UR/0166/65/000/005/0063/0070

AUTHOR: Aronov, D. A.; Ablyayev, Sh. A.; Pilatov, U. U.; Shamasov, R. G.

ORG: Physicotechnical Institute, AN UzSSR (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: Theory of the adsorption effect on the surfaces of semiconductors and gels due to effects of ionizing radiation

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 5, 1965, 63-70

TOPIC TAGS: adsorption, gel, chemosorption, semiconductor

ABSTRACT: The electronic theory of chemosorption is used to determine the sign of the adsorption effect as a function of the parameters of the semiconductor (or gel) and the experimental conditions. The case considered is limited to that of a strong absorption when the ionizing radiation generates electron-hole pairs near the surface. The expression for the adsorption effect, which determines its sign, is then applied to several special cases. It is shown that adsorption occurs more readily when volume recombination of carriers is low in comparison with surface recombination. This is the case of a gel with a strongly developed surface. Such effects have been observed experimentally in gels irradiated with slow electrons. Orig. art. has: 30 formulas and 2 figures.

[CS]

SUB CODE: SS/ SUBM DATE: 23Feb65/ ORIG REF: 009/ ATD PRESS: 4151

Card 1/1 HW

EWT(1) IJP(c) AT

ACC NR: AP6030665 SOURCE CODE: UR/0166/66/000/004/0040/0045

AUTHOR: Aronov, D. A.; Shamasov, R. G.

ORG: Physicotechnical Institute AN UzSSR (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: Concerning the influence of adhesion centers on the photoconductivity of semiconductors at large illumination levels

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 4, 1966, 40-45

TOPIC TAGS: photoconductivity, semiconductor carrier, impurity center, nonlinear differential equation, adhesion, electron trapping, light absorption, electron recombination

ABSTRACT: The authors calculate the photoconductivity in homogeneous semiconductors, for certain cases in which the solution of the corresponding nonlienar second-order differential equation with non-separating variables can be obtained in terms of elementary functions. A nonlinear second-order differential equation with non-separating variables is obtained for the behavior of the electrons and holes in the semiconductor. Solution of this equation reduces to obtaining the quadratures for strong and weak absorption of light only. The general solution is an elliptic integral, which under certain conditions is pseudoelliptic and can be expressed in terms of elementary functions. It is shown that this occurs in the case of surface photogeneration, if the impact recombination is negligibly small and the sample thickness is of the order of several diffusion lengths of the non-equilibrium carriers. The

Card 1/2

L 46910-66 EWT(1)/T IJP(c) AT
ACC NR: AP6015508 (N) SOURCE CODE: UR/0181/66/008/005/1647/1650

AUTHOR: Aronov, D. A.; Shamasov, R. G.

ORG: Physico-Technical Institute, AN UzSSR, Tashkent (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: The effect of traps on the photoconductivity of semiconductors in radiative interzone recombination

SOURCE: Fizika tverdogo tela, v. 8, no. 5, 1966, 1647-1650

TOPIC TAGS: semiconductor research, photoconductivity, electron trapping, electron recombination, current carrier

ABSTRACT: The effect of current carrier traps on the kinetics of photoconductivity, the concentration of α-centers and the degree of their filling by carriers is examined. Calculations for interzone recombination with a consideration of the varying life level with varying exposure level were performed. Since the specimens were sufficiently thick and the radiation was strongly penetrating, the constructed system of kinetic equations was solved without regard to the diffusion, drift, and surface recombination of the carriers. The developed relations indicate that in a general case the growth relaxation and the decay curves of the photoconductivity in interzone recombination have a complex nature and cannot be described by simple exponential functions. With

Card 1/2

L 46910-66

ACC NR: AP6015508

increasing trap concentration, the growth curves take on a more pronounced S-shape. While this phenomenon has been described before, it is explained by nonlinear trapping during linear recombination or by a relocation of the holes between several (or two) types of recombination levels. Obviously, such a change in photoconductivity can also take place in interzone recombination, provided that there is a sufficiently large number of traps. Orig. art. has: 4 formulas, 2 figures.

SUB CODE: 20/ SUBM DATE: 16Jun65/ ORIG REF: 004/ OTH REF: 004

Card 2/2

L 07871-67 EWT(1) IJP(c) AT SOURCE CODE: UR/0136/66/000/004/0040/0045

ACC NR: AP6030665

AUTHOR: Aronov, D. A.; Shamasov, R. G.

ORG: Physicotechnical Institute AN UzSSR (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: Concerning the influence of adhesion centers on the photoconductivity of semiconductors at large illumination levels

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 4, 1966, 40-45

TOPIC TAGS: photoconductivity, semiconductor carrier, impurity center, nonlinear differential equation, adhesion, electron trapping, light absorption, electron recombination

ABSTRACT: The authors calculate the photoconductivity in homogeneous semiconductors, for certain cases in which the solution of the corresponding nonlienar second-order differential equation with non-separating variables can be obtained in terms of elementary functions. A nonlinear second-order differential equation with non-separating variables is obtained for the behavior of the electrons and holes in the semiconductor. Solution of this equation reduces to obtaining the quadratures for strong and weak absorption of light only. The general solution is an elliptic integral, which under certain conditions is pseudoelliptic and can be expressed in terms of elementary functions. It is shown that this occurs in the case of surface photogeneration, if the impact recombination is negligibly small and the sample thickness is of the order of several diffusion lengths of the non-equilibrium carriers. The

Card 1/2

SHAMARDIN, V. P.

" Leptospirosis of animals and the fight against it" Tbilisi. Gosizdat of the Georgian SSR. 1951. 48 pages with illustrations. Library for the animal husbandry worker.

SO: Vet., March 1952, Unclassified.

SHAMATOVA, V. [R]

SHAMATOVA, V.,
MAMATSASHVILI, YE.,
Brucellosis and the fight against it. Tbilisis. Publication of the Georgian Agricultural Institute, 1952. 18 pages. Free. 5,000 copies. (Ministry of Agriculture of the Georgian SSR, Administration of Agricultural Propaganda). in Georgian.

Source: Veterinariya; 30; 3; March 1953 uncl
TAECON

SHAMATAVA, V. P.

7832. SHAMATAVA, V. P. -- Mikrobatsillez sel' skokhozyaystvennykh zhivotnykh I bor'ba s nim. Tblilsi, Izd.- vo gruz. s.-kh. in-ta, 1954, 40 s. s ill. 21 sm. (M-vo sel'skogo Khozyaystva gruz. SSSR. Glav. upr. S.-Kh. Propagandy I nauki). 2.000 ekz. Bespl.-- Na gruz. yaz.-- [55-2549] 619:616.999.81.

SO: Knizhnaya Letopis', Vol. 7, 1955

SHAMATAVA

R

Country : USSR
Category : Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi
Abs. Jour. : Ref Zhur-Biol, No 23, 1958, No 105812

Author : Shamatava, V. P.
Institut. : Georgian Zootechnical Veterinary Institute
Title : Pasteurellosis of Cattle in Georgian SSR

Orig. Pub. : V sb.: Materialy 13-y Nauchn. konferentsii (Gruz. zootekhn.-vet. in-t). Ch. 2, Tbilisi, 1957, 57-61

Abstract : Pasteurellosis is encountered in almost all rayons of the republic, mainly during the period of pasture maintenance of cattle. The disease takes a superacute, acute, subacute and chronic course. The average lethality in the republic for 1938-1954 was 60%. For diagnosis, the opsonophagocytic reaction, which is more sensitive than the agglutination reaction, is used. Avirulent strains of Pasteurellae do not provide immunity, and weakly virulent ones pro-

Card: 1/3

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Country : USSR
Category : Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi
Abs. Jour. : Ref Zhur-Biol, No 23, 1958, No 105812

Author :
Institut. :
Title :

Orig Pub. :

Abstract Cont'd : tect the animals from being infected with a virulent culture of Pasteurellae. Considering that vaccination not always produces the expected effect, the author tried other preparations for prophylaxis and therapy of pasteurellosis. A good therapeutic effect was obtained by intraperitoneal administration of biomycin in the experimental pasteurellosis of rabbits and sheep. It was also established that biomycin, especially in combination with streptomycin,

Card: 2/3

SHAMATAVA, V.P., dotsent

Effect of environmental factors on the origin and development of pasteurellosis in cattle. Veterinariia 35 no. 7:47-49 Jl '58. (MIRA 11:7)

1. Gruzinskiy zoovetinstitut.
(Hemorrhagic septicemia of cattle)

SHAMATAVA, V. P.

Brutsellez sel'skokhoziaistvennykh zhivotnykh i bor'ba s nim (Brucellosis of agricultural animals and its control). Tblisi., 1959, 40 pages (Association on the spread of political and scientific knowledge of the Georgian SSR. Series 6, 5. Knowledge for the people). Price 1 r. 12,300 copies. In the Georgian language.

SHAMAIAVA, V.P., dotsent

A case of postvaccinal outbreak of pasteurellosis in cattle. Veterinariia 38 no.7:37-39 Jl '61. (MIRA 16:8)

1. Gruzinskiy uchebno-issledovatel'skiy zooveterinarnyy institut.
(Georgia--Hemorrhagic septicemia of cattle--
Preventive inoculation)

SHAMATAVA, V.P., dotsent

Comparative effectiveness of antibiotics in pasteurellosis. Veterinariia 38 no.9:70-73 S '61. (MIRA 16:8)

1. Gruzinskiy zooveterinarnyy uchebno-issledovatel'skiy institut.

SHAMATOVOV, M.G.

Harvesting the reed and organizing the utilization of its growths. Trudy Inst. bot. AN Kazakh. SSR. 19:216-230 '64. (MIRA 18:3)

SHAMATOV, N. M.

28011. SHAMATOV, N. M. -- Kliniko-rentgenologicheskiye nablyudeniya sud'by kostnogo transplantata pri operatsii kirsher-berlinera. Trudy pervoy nauch. Mezhresp. Konftsii po lecheniyu invalidov otechestv. Voyny v sred. Azii. Tashkent, 1949, S. 301-13.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

USSR / General Problems of Pathology. Transplantation of Tissues and Tissue Therapy. U

Abs Jour: Ref Zhur-Biol., No 11, 1958, 51579.

Author : Shamatov, N. M.
Inst : Uzbekistan Scientific Research Institute of Orthopedics, Traumatology and Prosthetic Appliances.

Title : The Effect of Biogenic Stimulants on Bone Tissue Regeneration in Experimental (Fresh) Fractures of the Long Bones.

Orig Pub: Tr. Uzb. n-i. in-ta ortopedii, travmatol. i protezir., 1955, 6, 55-68.

Abstract: Administration of Aloes extract (E) to rabbits accelerated the knitting of the shin bone. The early signs of callus formation (C) in the experimental animals were noted rentgenographically,

Card 1/2

SHAMATOV, N.M.

Use of aloe extract in fractures of the long bones. Med.zhur. Uzb. no.11:34-42 N '58. (MIRA 13:6)

1. Iz kliniki travmatologii (zav. - prof. V.A. Chernavskiy) II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova.

(FRACTURES) (ALOE)

SHAMATOV, N. M. Doc Med Sci -- (diss) "Effect of certain biological stimulants upon the healing time of fractures in experiment and clinic." Tashkent, 1959. 28 pp with graphs (Second Mos State Med Inst im N. I. Pirogov and Uzbek Sci Res Inst of Traumatology and Orthopedics), 200 copies. (KL, 52-59, 124)

SHAMATOV, N.M., doktor med. nauk; FEDOTOVA, Z.G., red.; AGZAMOV, K., tekhn. red.

[Clubfoot is curable] Kosolapost' izlechima. Tashkent, Medgiz, UzSSR, 1961. 19 p. (MIRA 16:2)
(FOOT--ABNORMITIES AND DEFORMITIES)

SHAMATOV, N.M., prof.

Content of calcium and inorganic phosphorus in the blood of patients with bone fractures. Med.zhur.Uzb. no.8:28-32 Ag '62. (MIRA 16:4)

1. Iz Tashkentskogo instituta usovershenstvovaniya vrachey i Uzbekskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(CALCIUM IN THE BODY) (PHOSPHORUS IN THE BODY) (FRACTURES)

..ZE, ..I.; SHA..TOV., N.Yu.

Some developments of the "Prokhpribor" Special Design Office in Kutaisi. Priborostroenie no. 2:26-27 F '61. (MIRA 14:2)

(Kutaisi--Instruments)

SHAMAYDINKO, N.Ye., aspirant

Self-adjustment conditions for plane-pair links. Izv.vys.ucheb.zav.; mashinostr. no.4 11-19 '64. (MIRA 18:1)

1. Moskovskoye vysshoye tekhnicheskoy uchilishche imeni N.E.Baumana.

Mekhanika, [illegible] dopusk

Dependence between structural elements of kinematic chains. Izv.vys. ucheb.zav.;mashinostr. no.5:13-18 '64. (MIRA 18:1)

1. Moskovskoye vysshiye tekhnicheskoye uchilishche imeni N.E.Baumana.

SHAMAYMINN, N.Ye., aspirant

Using kinematic couplings instead of kinematic parts in the efficient design of mechanisms. Izv. vys. ucheb. zav.; mashinostr. no.6:26-31 '64. (MIRA 17:12)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche im. N.E. Baumana.

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